

PATENT ABSTRACTS OF JAPAN

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(54) POROUS BODY AND GASKET MADE THEREFROM

(57)Abstract:

PURPOSE: To obtain a porous body not suffering from a problem such as separation of graphite coating film and having high performance by impregnating a specified porous polytetrafluoroethylene body with a liquid lubricant.

CONSTITUTION: This porous body comprises a porous polytetrafluoroethylene body containing boron nitride and a liquid lubricant with which the body is impregnated and having a tensile strength of 4kg/mm² or above in at least one direction. The polytetrafluoroethylene powder used to obtain the porous polytetrafluoroethylene body containing boron nitride should be high-molecular-weight one having a number-average molecular weight of 2×10⁷ or above. The boron nitride used is usually powdery one having a particle diameter of about 0.5-30μm. It is usually desirable that its content is 0.1-10wt.%. The boron nitride powder may be treated with a coupling agent. It is desirable that the liquid lubricant is lowly volatile one. Its amount of impregnation is usually about 0.1-50%.

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